Information disclosed under the Freedom of Information and Protection of Privacy Act.

bcrtc An Integrated Rapid Transit Company

MEMORANDUM

TO: Sabina Kunkel

FROM: BCRTC FOI

DATE: February 28, 2022

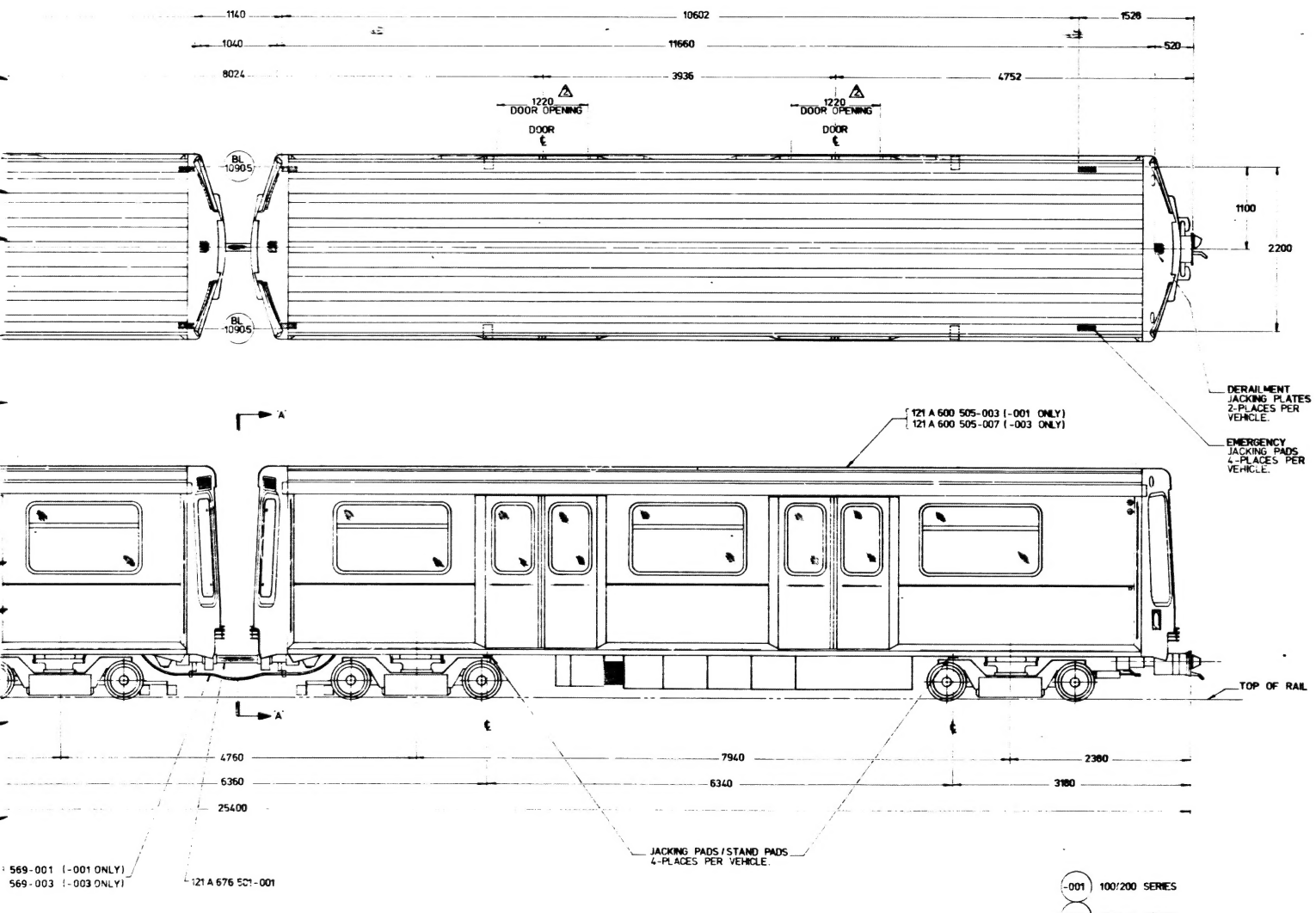
RE: FOI Request 2022/053 Response (Individual)

This memo is in response to a FOI request for:

"The schematics from the five generations of SkyTrain cars (including Rotem). Looking for diagrams that show body dimensions."

Responsive records are attached.

BCRTC FOI



⚠ DOOR OPENING AND LOCATIONS ARE TYPICAL BOTH SIDES OF VEHICLE.

1. ALL DIMENSIONS ARE REFERENCE.

NOTE

-001 100/200 SERIES

-003 300/400 SERIES

PART 1 OF 3

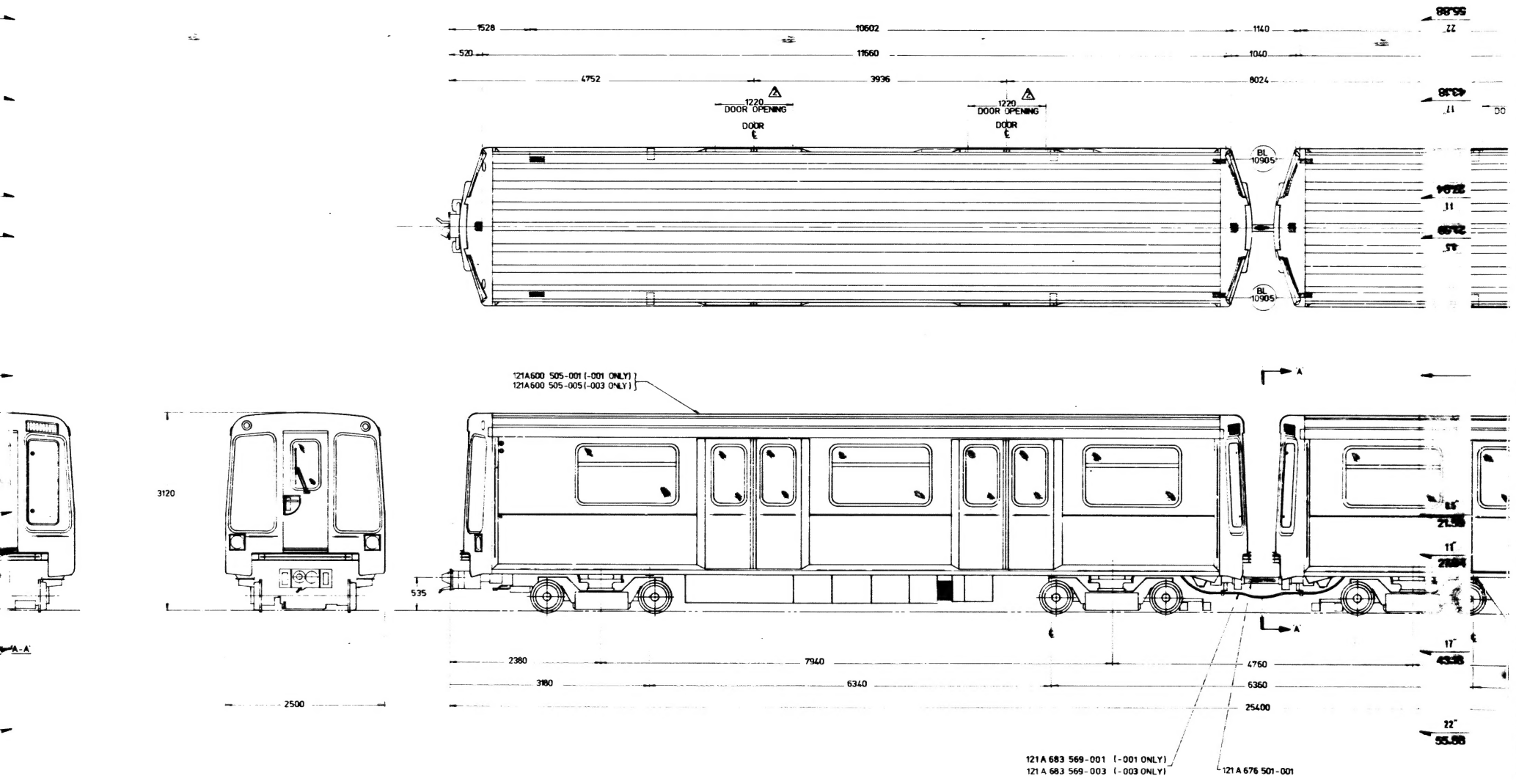
metro canada

GENERAL ARRANGEMENT OF TWO VEHICLE CONSIST

121 A 600 506 NC

SHEET 1 of 1

000002

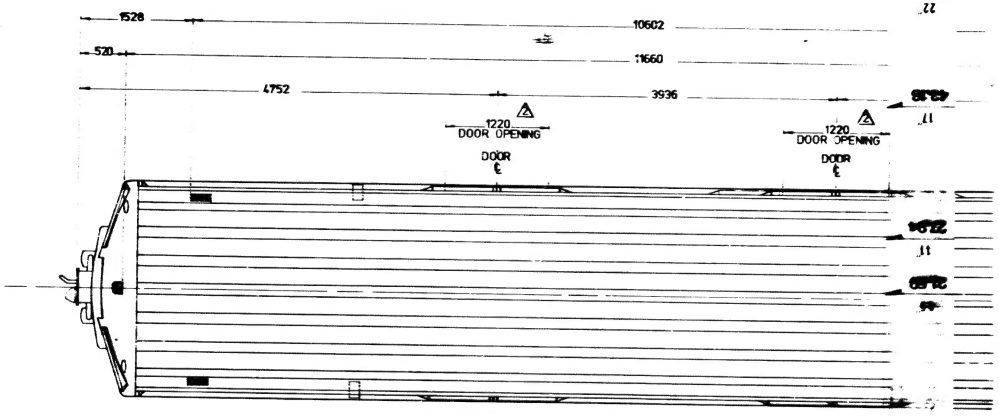


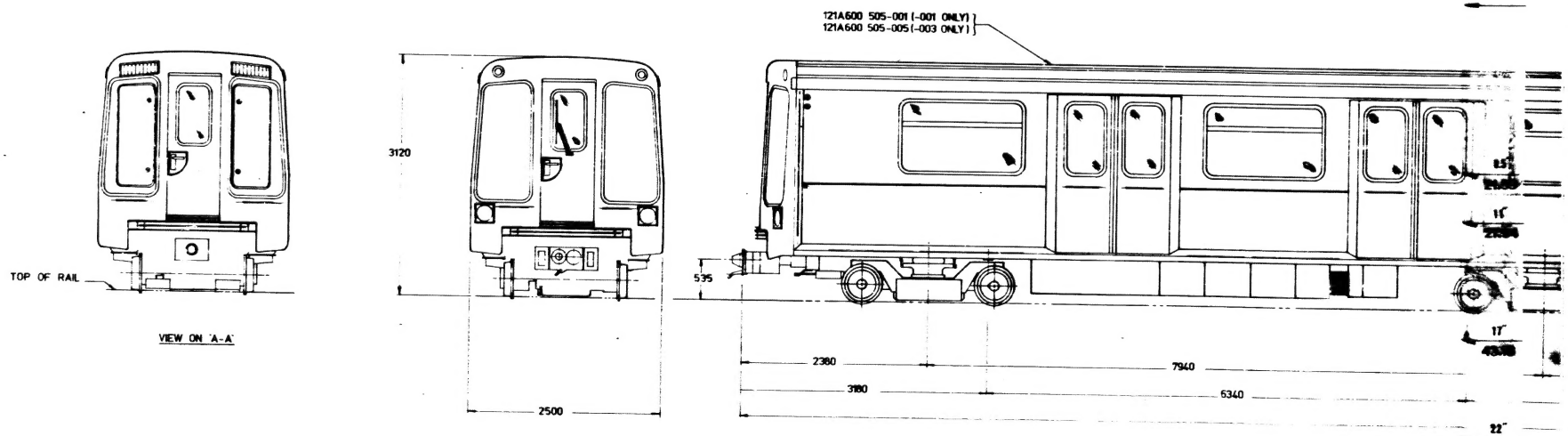
A-A

PART
2 OF 3

121 A 600 506

000003





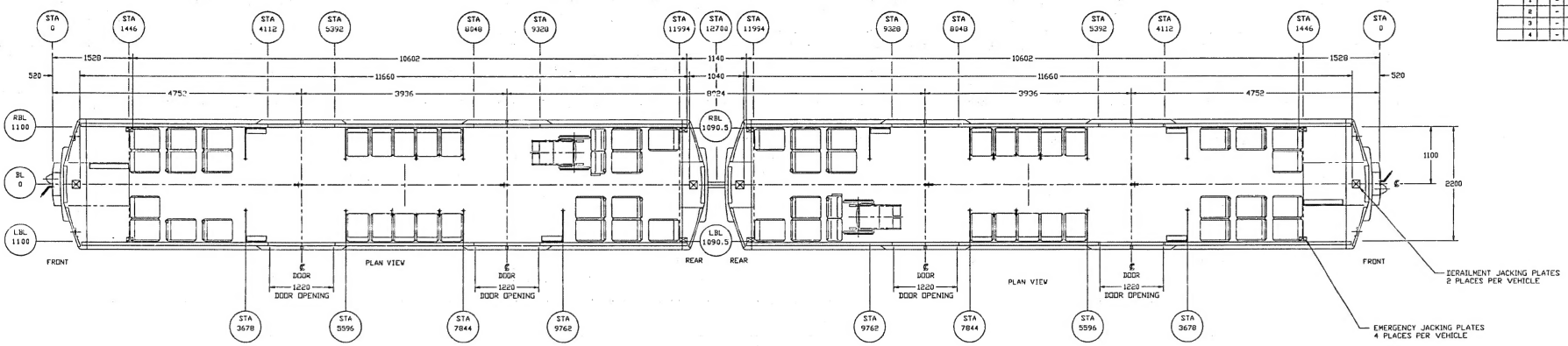
121A6[illegible] 01 (-0
121A6[illegible] 03 (-0

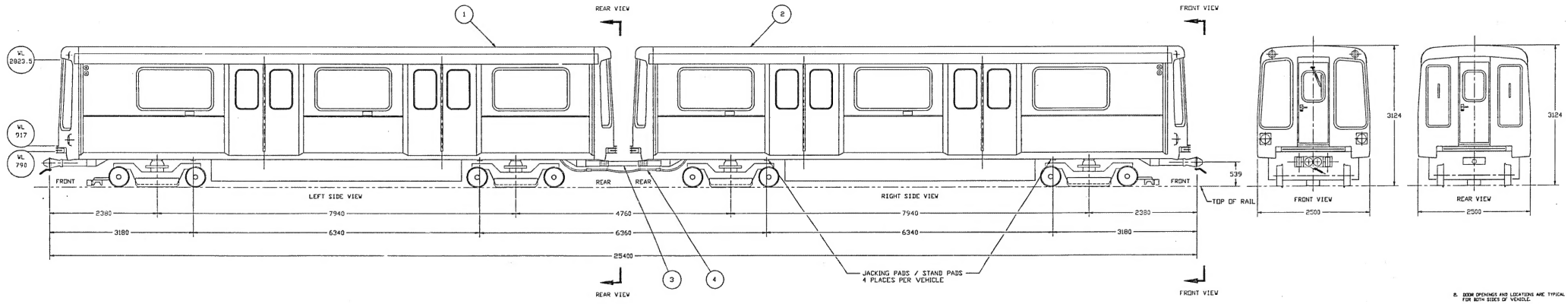
PART
3 OF 3

000004

121 A 600 506

ITEM	QTY/TYPE						DESCRIPTION	REFERENCE	MATERIAL	WEIGHT/KG
-	-	-	-	-	-	-	GENERAL ARRANGEMENT OF TWO VEHICLE CONSIST	-	-	-
1	-	-	-	-	-	1	VEHICLE G/A 700 SERIES	412V 600 505 -701	-	-
2	-	-	-	-	-	1	VEHICLE G/A 800 SERIES	412V 600 505 -703	-	-
3	-	-	-	-	-	1	DRAWBAR INSTALLATION	121V 674 501 -701	-	-
4	-	-	-	-	-	1	INSTALLATION OF INTERMEDIATE PARTS	412V 683 369 -701	-	-





3. DOOR OPENINGS AND LOCATIONS ARE TYPICAL FOR BOTH SIDES OF VEHICLE.
2. ALL DIMENSIONS ARE REFERENCE.
NOTES

S. PRIMEAU
T.HOLLE 7/M 94/05/03
H. GOLDIE 94/05/03
S.LAWSON 94/05/03

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Groupe matériel de transport
Transportation Equipment Group
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GENERAL ARRANGEMENT OF TWO VEHICLE CONSIST

SCALE 1:20 | SHEET 1 OF 2 | 412V 600 506 | 1 | NC

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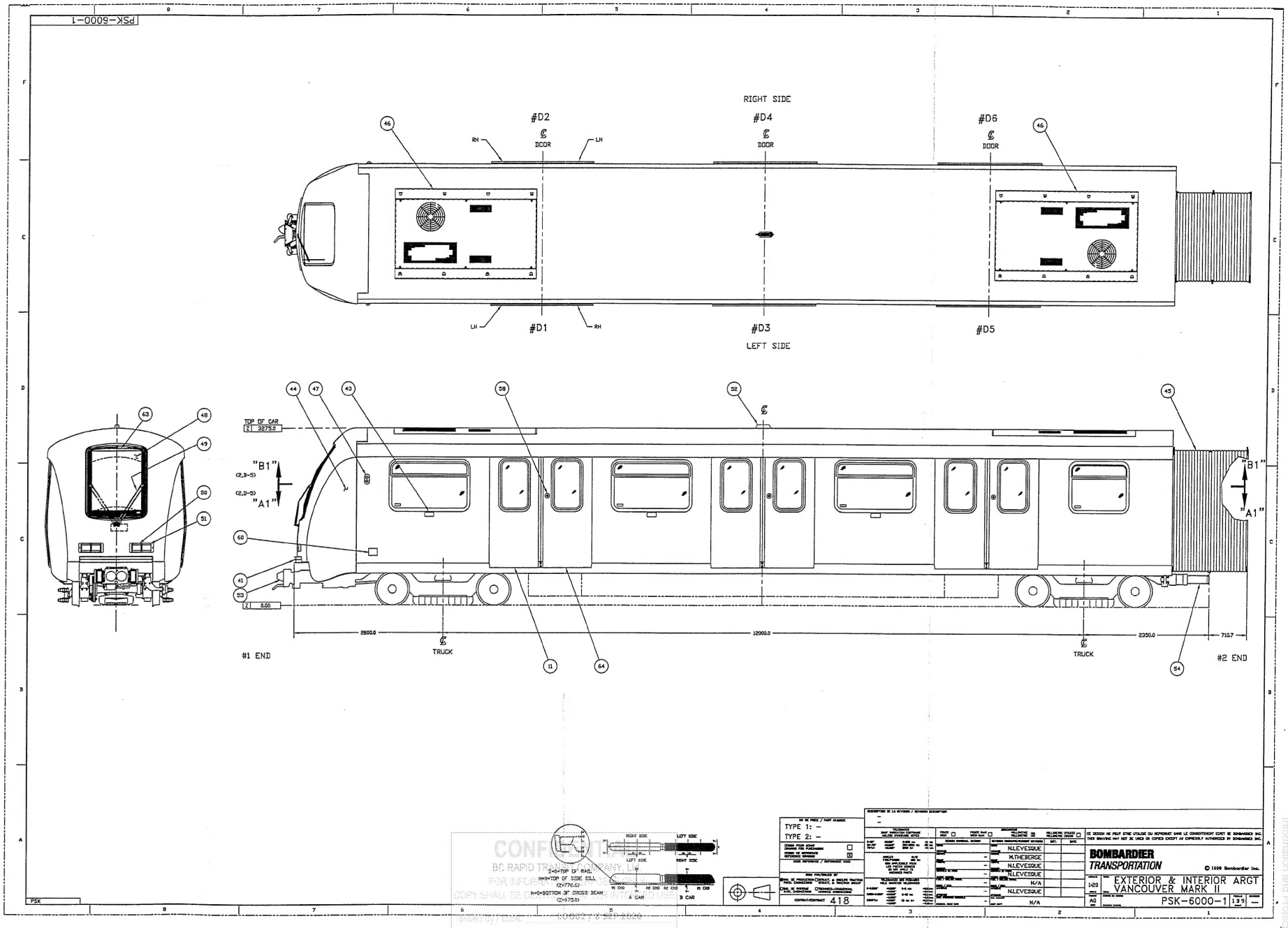
900000



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TL # 2000-03172

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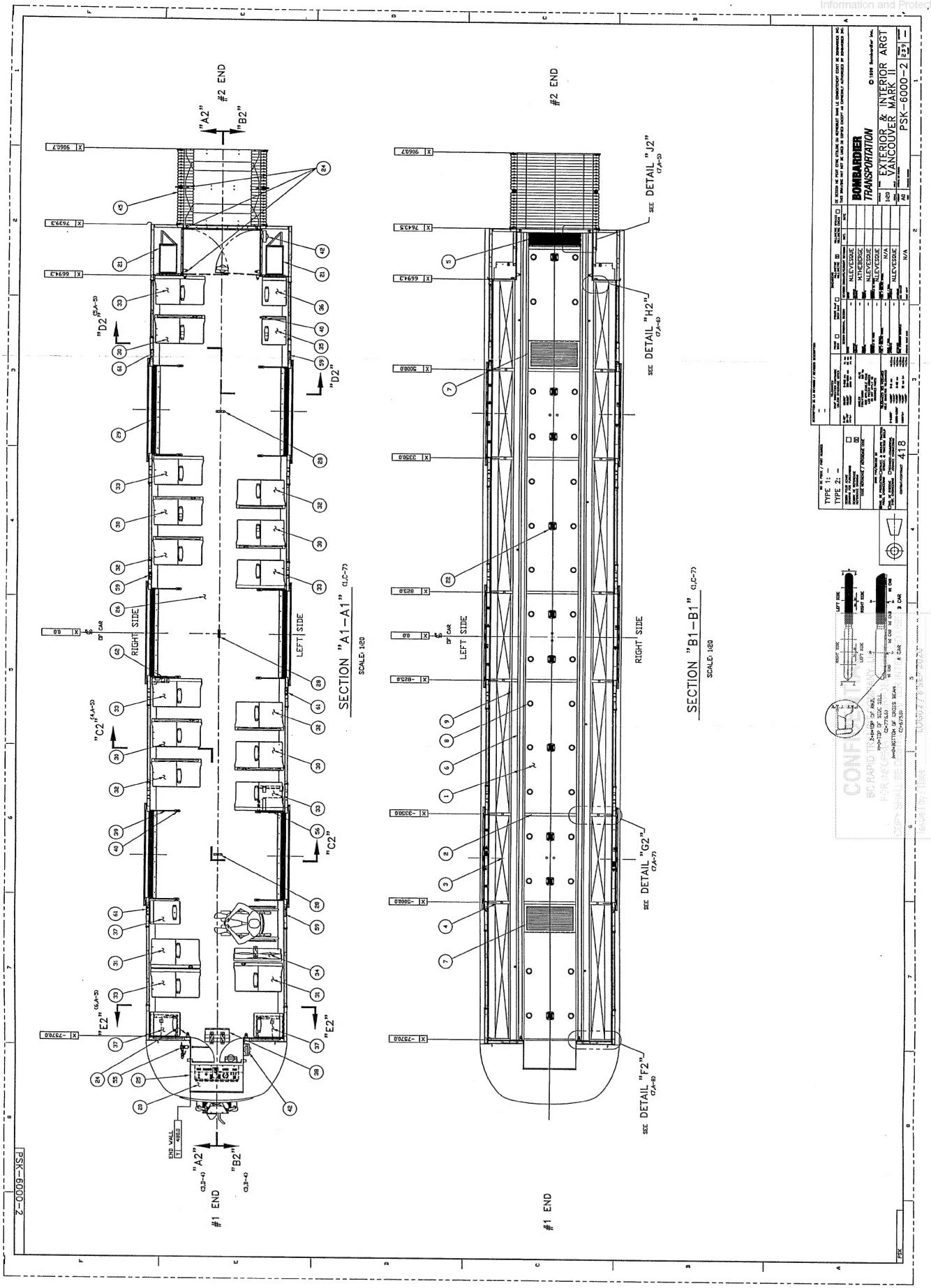

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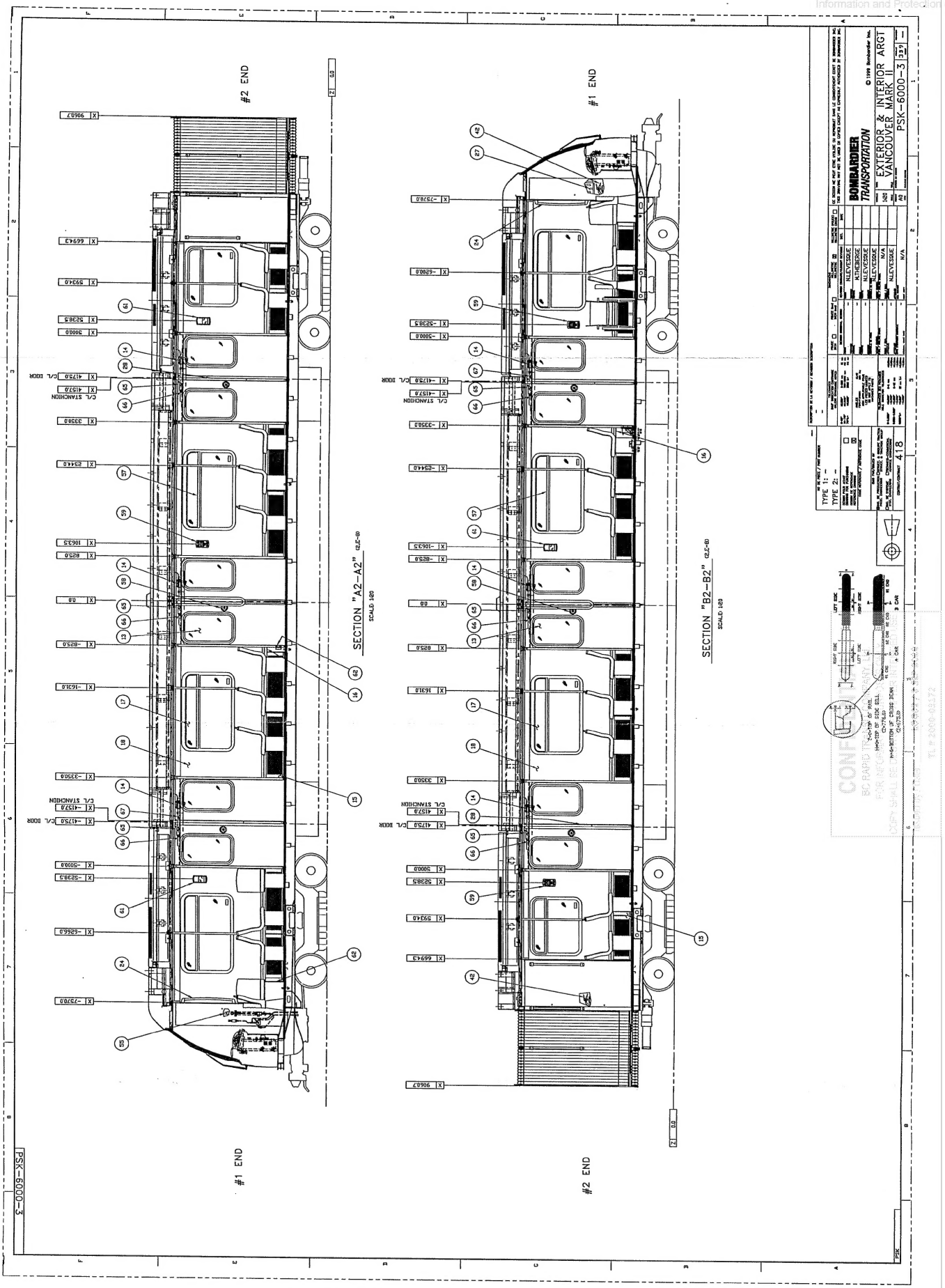

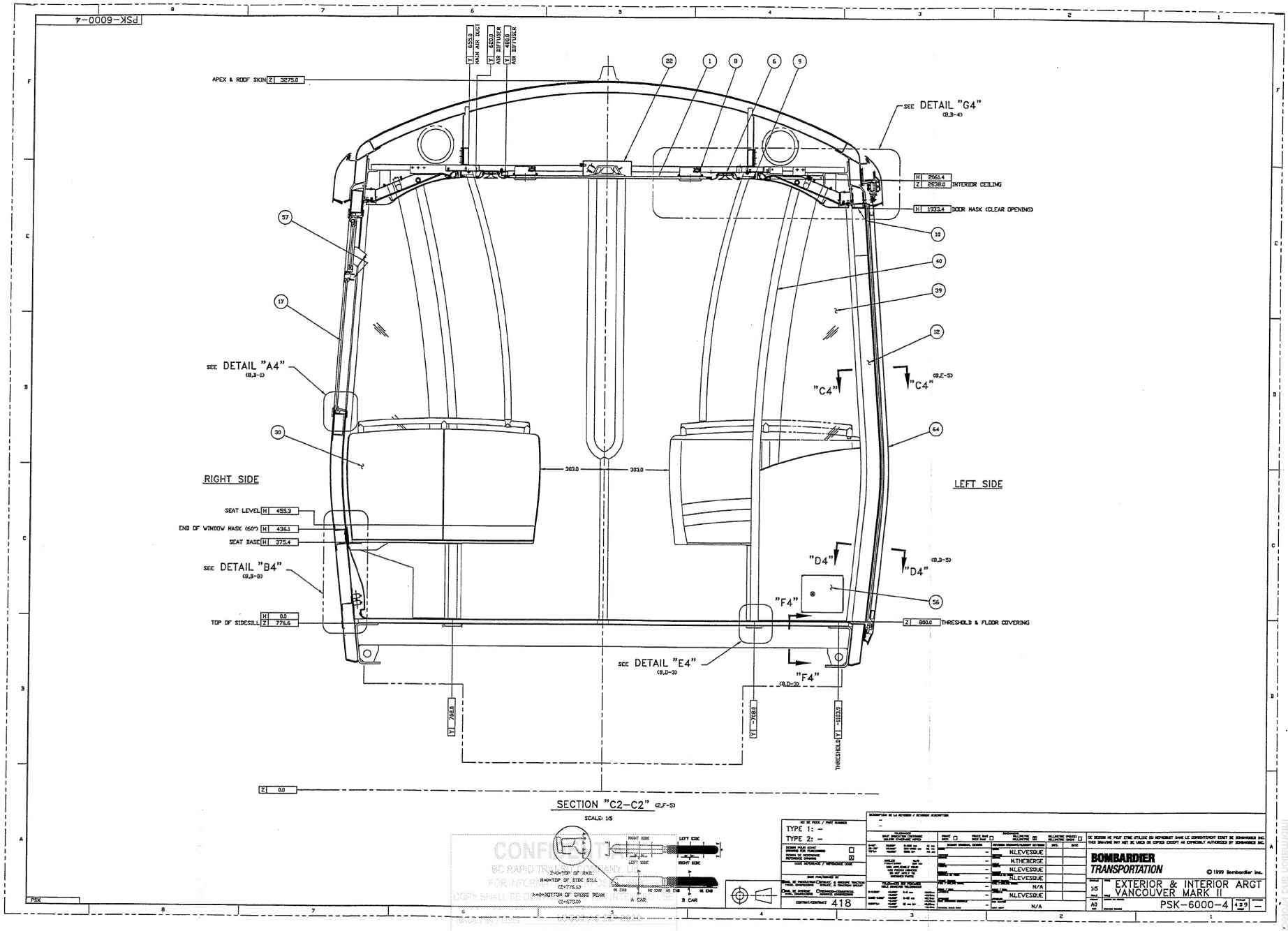

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TL # 2000-03172

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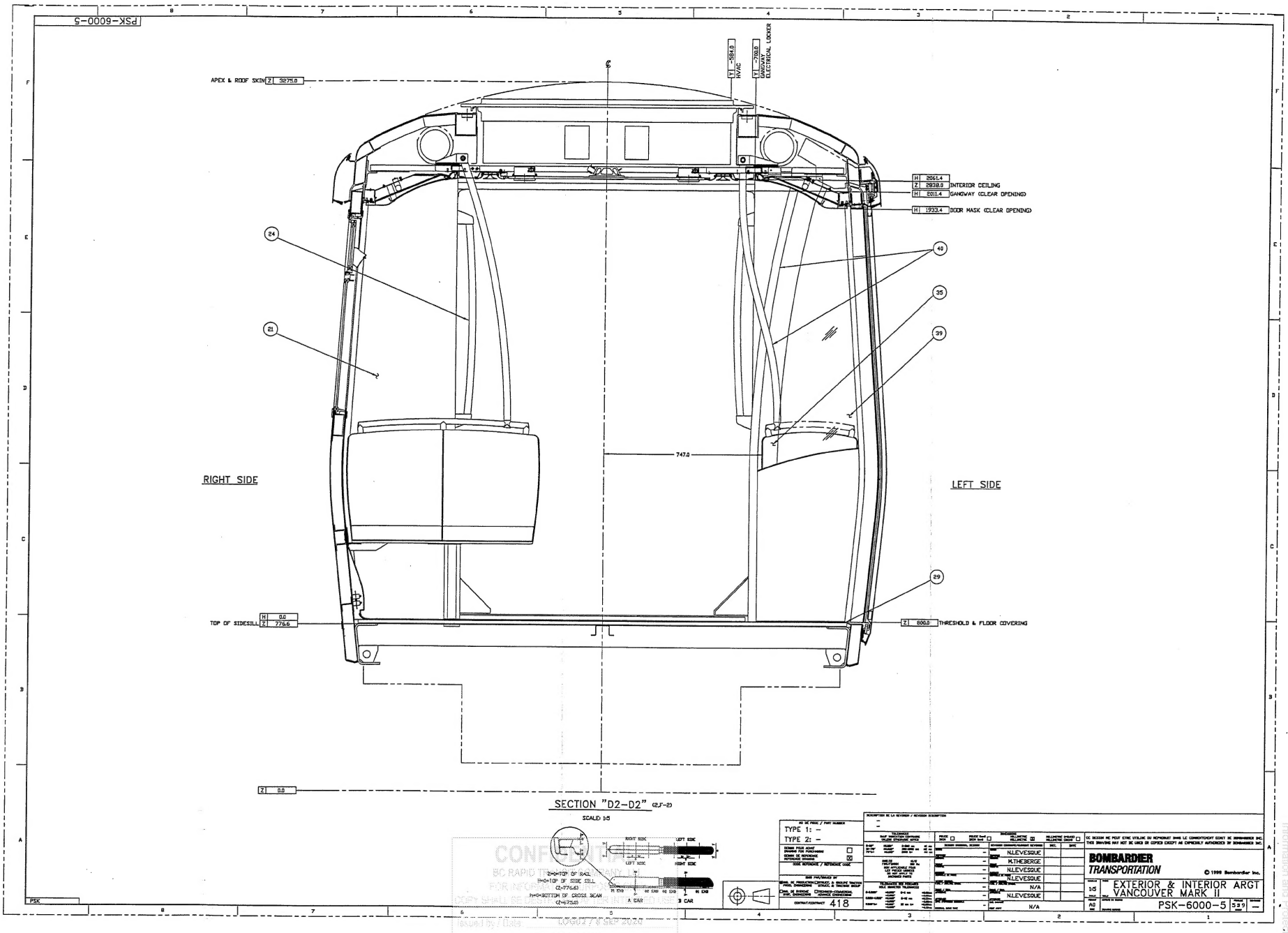
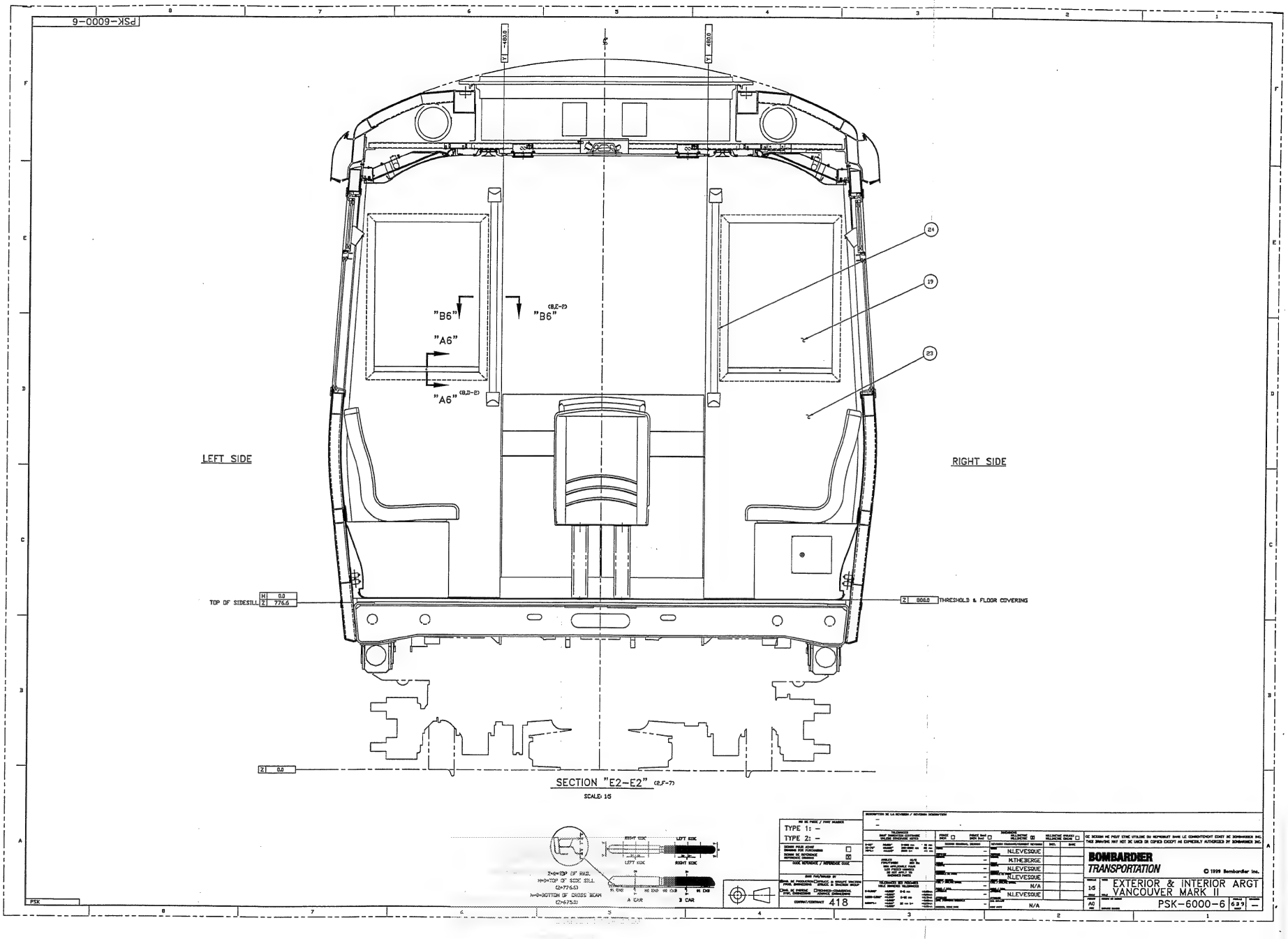
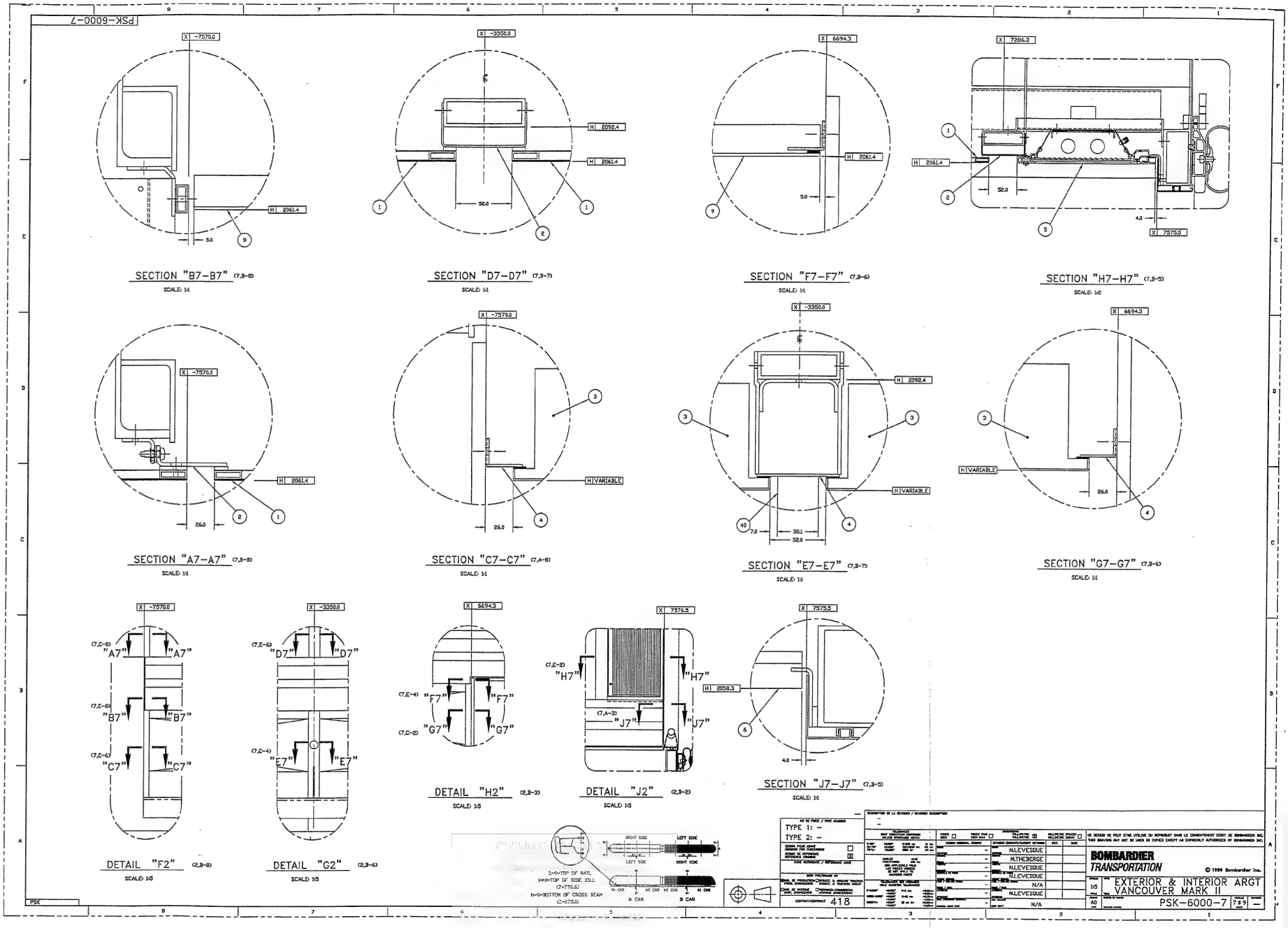
600000



CONFIDENTIAL
TL P 2000-03172
Information disclosed under the Freedom of Information and Protection of Privacy Act


PSK-6000-6
"B6"
"A6"
"A6" (B,D-E)
"B6" (B,E-E)
24
19
23
LEFT SIDE
RIGHT SIDE
TOP OF SIDESILL H 0.0 Z 776.6
Z 600.0 THRESHOLD & FLOOR COVERING
Z 0.0
SECTION "E2-E2" (B,F-F)
SCALE: 1/5
TYPE 1: –
TYPE 2: –
418
N.LEVESQUE
M.THEBERGE
N.LEVESQUE
N.LEVESQUE
N/A
N.LEVESQUE
N/A
BOMBARDIER
TRANSPORTATION
© 1999 Bombardier Inc.
EXTERIOR & INTERIOR ARGT
VANCOUVER MARK II
PSK-6000-6
1-5
A0

000011


PSK-6000-7
SECTION "B7-B7"
SECTION "D7-D7"
SECTION "F7-F7"
SECTION "H7-H7"
SECTION "A7-A7"
SECTION "C7-C7"
SECTION "E7-E7"
SECTION "G7-G7"
DETAIL "F2"
DETAIL "G2"
DETAIL "H2"
DETAIL "J2"
SECTION "J7-J7"
SCALE: 1:1
SCALE: 1:2
SCALE: 1:5
TYPE 1: —
TYPE 2: —
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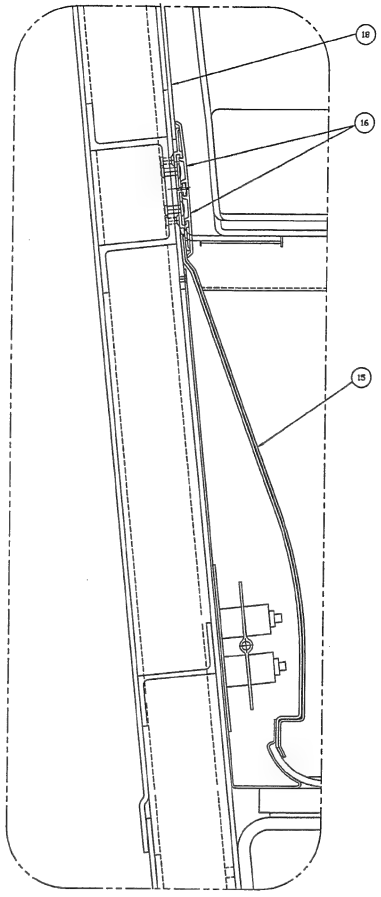
EXTERIOR & INTERIOR ARGT VANCOUVER MARK II
PSK-6000-7
418

000112

PSK-6000-8



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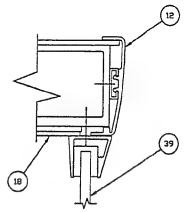
SCALE 1:1



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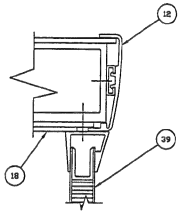
SCALE 1:1
ROTATED 90° CCW



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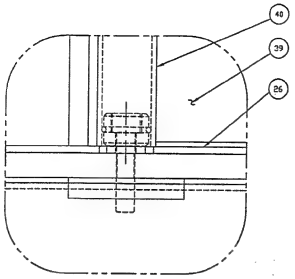
ROTATED 90° CCW



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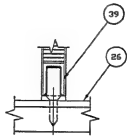
SCALE 1:1



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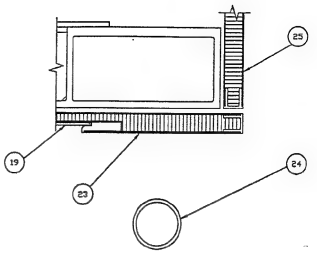

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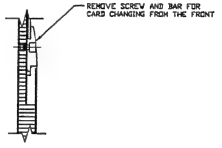
SCALE 1:1



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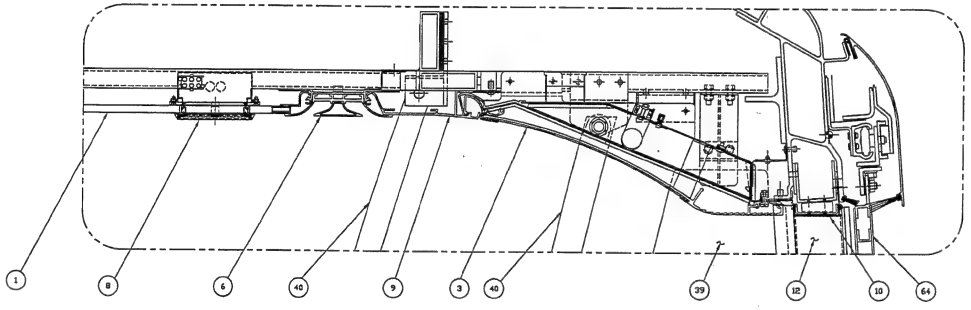
SCALE 1:1



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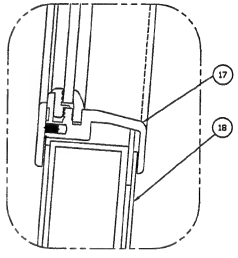
SCALE 1:2



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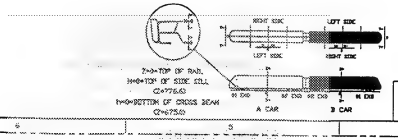
SCALE 1:1



TYPE 1: –
TYPE 2: –

CONTRACT 418

BOMBARDIER TRANSPORTATION

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EXTERIOR & INTERIOR ARGT VANCOUVER MARK II

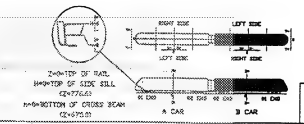
PSK-6000-8

000013

PSK-6000-L1

ITEM	ZONE	QTY					B	A	DESCRIPTION	DWG REF.	MATERIAL	LBS (KG)	REV
41	-						1	1	ANTI-CLIMBER	-			
42	-						2	2	FIRE EXTINGUISHER (10 LB)	-			
43	-						6	5	EMERGENCY DOOR RELEASE HANDLE (EXTERIOR)	-			
44	-						1	1	END CAP	-			
45	-						-	1	GANGWAY	-			
46	-						2	2	HVAC	-			
47	-						2	2	INDICATOR LIGHT	-			
48	-						1	1	WINDSHIELD	-			
49	-						1	1	WINDSHIELD WIPER	-			
50	-						2	2	HEAD LIGHT	-			
51	-						2	2	DITCH LIGHT	-			
52	-						1	0	ANTENNA	-			
53	-						1	1	COUPLER	-			
54	-						-	1	DRAW BAR	-			
55	-						1	1	BRAKE MANUAL RELEASE MECHANISM	-			
56	-						1	1	BATTERY SWITCH	-			
57	-						8	8	EMERGENCY PRESSURE SWITCH	-			
58	-						6	6	DOOR DEMAND BUTTONS (PROVISION)	-			
59	-						3	3	PASSENGER ANNUNCIATION PANEL	-			
60	-						2	2	EXTERIOR CREW SWITCH	-			
61	-						3	3	BUZZER 302	-			
62	-						2	2	CONVENIENCE OUTLET	-			
63	-						1	1	MARKER LIGHT STRIP (LED)	-			
64	-						6	6	SIDE DOOR RH PANEL	-			
65	-						6	6	DOOR DIAGNOSTIC OUTLET	-			
66	-						6	6	DOOR CUT OUT SWITCH	-			
67	-						2	2	SIDE DOOR CREW SWITCH	-			

ITEM	ZONE	QTY					B	A	DESCRIPTION	DWG REF.	MATERIAL	LBS (KG)	REV
1	-						8	8	CENTRAL PANEL (DIFFERENT LENGTH)	-			
2	-						8	8	CENTRAL RECESSED TRIM	-			
3	-						14	14	LIGHTING FIXTURE (DIFFERENT LENGTH)	-			
4	-						16	16	COVE RECESSED TRIM	-			
5	-						1	1	GANGWAY LIGHT	-			
6	-						2	2	LINEAR AIR DIFFUSER	-			
7	-						2	2	RETURN AIR GRILL	-			
8	-						32	32	SPOTLIGHT	-			
9	-						2	2	VALANCE PANEL	-			
10	-						6	6	DOOR HEADER	-			
11	-						6	6	SIDE DOOR LH PANEL	-			
12	-						12	12	DOOR TRIM (LH & RH)	-			
13	-						12	12	DOOR WINDOW	-			
14	-						6	6	EMERGENCY DOOR RELEASE HANDLE (INTERIOR)	-			
15	-						16	16	HEATER GRILL (DIFFERENT LENGTH)	-			
16	-						16	16	WALL HORIZONTAL MOULDING (DIFFERENT LENGTH)	-			
17	-						8	8	SIDE WINDOW (DIFFERENT LENGTH)	-			
18	-						8	8	WINDOW MASK WALL (DIFFERENT LENGTH)	-			
19	-						2	2	ADVERTISING FRAME	-			
20	-						1	1	CONSOLE (HOSTLING)	-			
21	-						2	2	ELECTRICAL LOCKER	-			
22	-						10	10	SPEAKER	-			
23	-						2	2	END PARTITION	-			
24	-						8	8	WALL MOUNTED STANCHION	-			
25	-						2	2	END WALL	-			
26	-						1	1	FLOOR COVERING (NORA)	-			
27	-						1	1	STORAGE POCKET	-			
28	-						3	3	FORK TYPE STANCHION	-			
29	-						6	6	THRESHOLD	-			
30	-						5	5	DOUBLE SEAT WITH GRAB BAR AND STANCHION	-			
31	-						2	2	DOUBLE SEAT WITH STANCHION	-			
32	-						4	4	DOUBLE SEAT WITH GRAB BAR	-			
33	-						6	6	DOUBLE SEAT	-			
34	-						1	1	DOUBLE FLIP-UP SEAT	-			
35	-						1	1	SINGLE SEAT WITH GRAB BAR AND STANCHION	-			
36	-						1	1	SINGLE LONGITUDINAL SEAT	-			
37	-						3	3	SINGLE TRANSVERSAL SEAT	-			
38	-						1	1	SINGLE FLIP-UP SEAT	-			
39	-						12	12	WINDSCREEN	-			
40	-						28	28	STANCHION (DIFFERENT LENGTH)	-			



TYPE 1: -
TYPE 2: -

418

-	NLEVESQUE		
-	MTHEBERGE		
-	NLEVESQUE		
-	NLEVESQUE		
-	N/A		
-	NLEVESQUE		
-	N/A		

BOMBARDIER TRANSPORTATION

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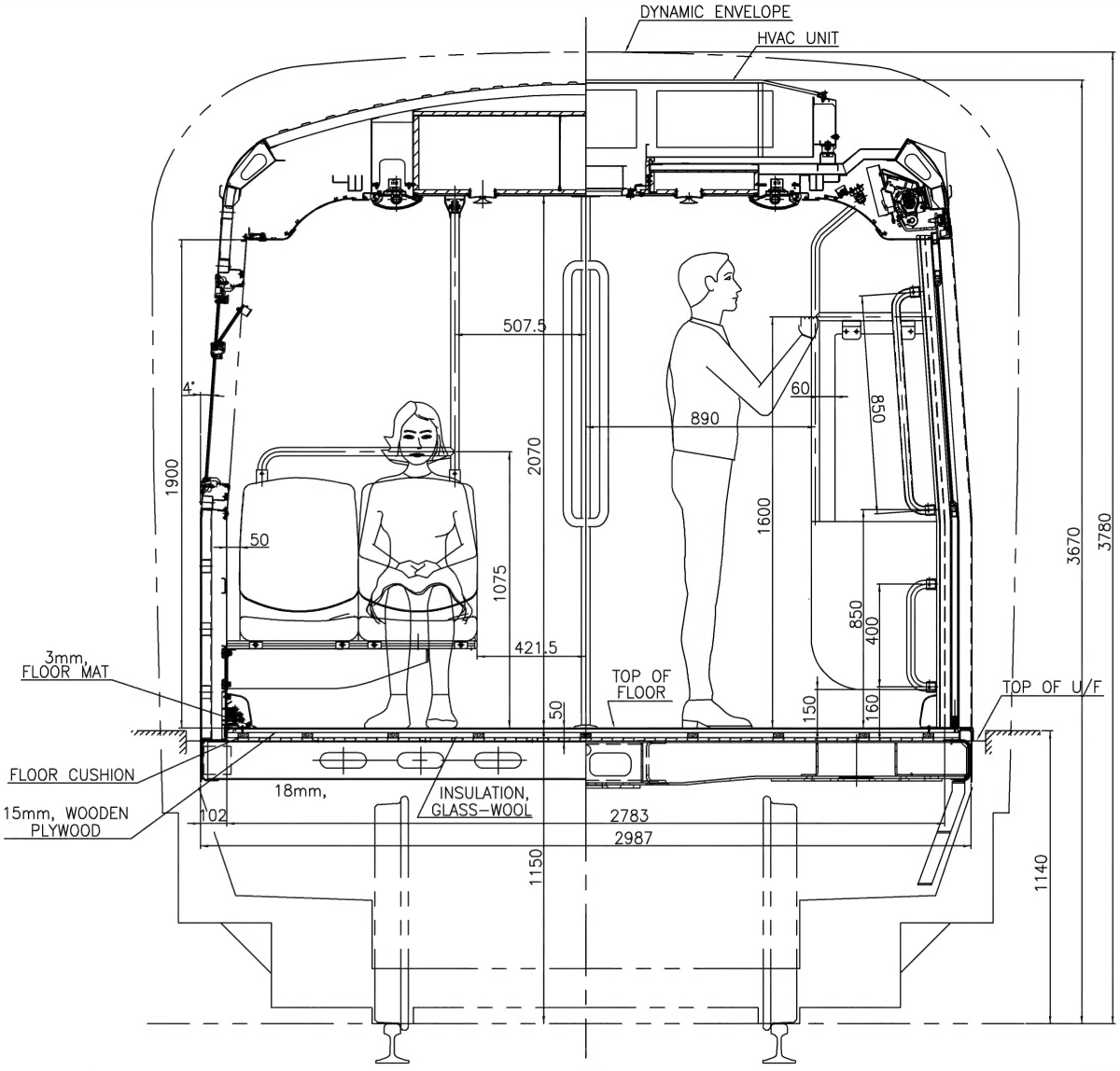
14

EXTERIOR & INTERIOR ARGT VANCOUVER MARK II

PSK-6000-L1 939 -

A0

000014



- .CEILING HEIGHT : 2070mm
- .DOOR ENTRANCE HEIGHT : 1900mm
- .PLATFORM HEIGHT: 1140mm
- .FLOOR HEIGHT: 1150mm

NOTE:
1.THIS IS THE CONCEPTUAL DRAWING TO REVIEW CARBODY CROSS SECTION.

AS-BUILT

DESIGNED	C.K.KANG	2006-12-19 DATE
DRAWN	S.B.LEE	2006-12-19 DATE
CHECKED	S.B.LEE	2006-12-19 DATE
APPROVAL	J.H.PARK	2006-12-19 DATE

RW-SNC-BSIZE-SHEET.dwg Rev. PC 279.4mm x 431.8mm METRIC

REFERENCE DRAWING

DWG No.	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION	REV
-	-	ISSUED FOR CONSTRUCTION	0
-	-	-	1
-	-	-	2
2006-10-21	C.K.KANG	As-Built	3

PROFESSIONAL SEAL

CANADA LINE
TRANSITBC

1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada. V6E 3C9
SNC·LAVALIN
HYUNDAI ROTEM 현대로템주식회사

VEHICLE
GENERAL CAR CONFIGURATION
SECTION, CARBODY, CROSS

SCALE 1/10	CONTRACT No. 016876-PC-4000	SUB CONSULTANT PROJECT NO. -
DATE 2006-10-21		
DRAWING No. 016876-1010-46DD-SW-2001 / GAE00264		3

SUPERSEDES PAGES OF THE NUMBER AND LETTERS PREVIOUS TO

810018

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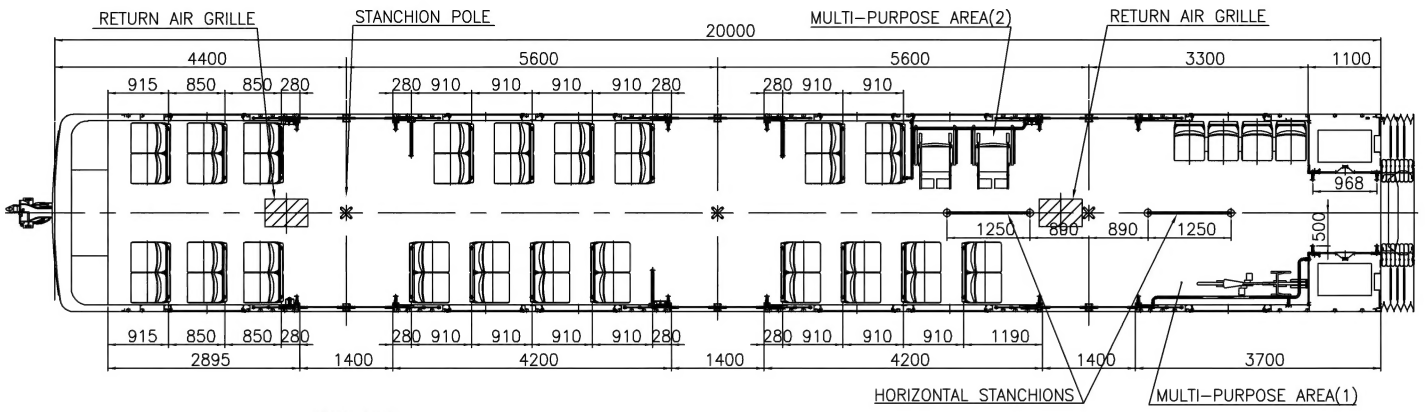
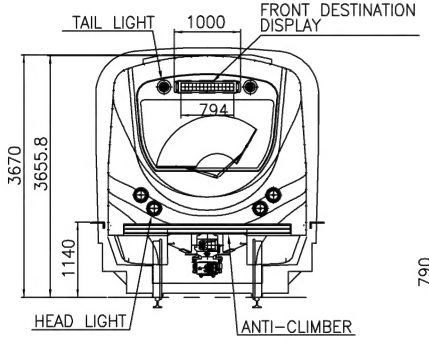
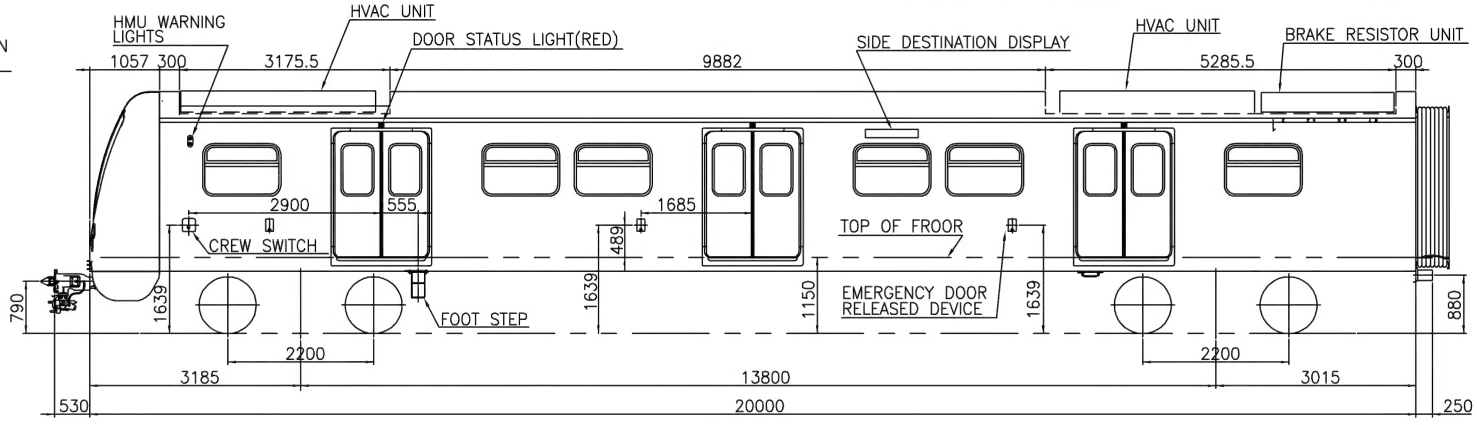






	DESCRIPTIONS	QUANTITIES		
		DM1	DM2	DM1+DM2
PASSENGER CAPACITY	SEATED	44	44	88
	STANDING(AW2)	125	125	250
	STANDING(AW2) + SEATED	169	169	338
	STANDING(AW3)	156	156	312
	STANDING(AW2) + SEATED	200	200	400

NOTE : AW2 = 4 PASSENGERS/M^2
AW3 = 5 PASSENGERS/M^2

NOTE:
1.THIS IS THE CONCEPTUAL DRAWING TO REVIEW GENERAL VEHICLE ARRANGEMENT.

AS-BUILT

DESIGNED	C.K.KANG	2006-12-20	DATE
DRAWN	S.B.LEE	2006-12-20	DATE
CHECKED	S.B.LEE	2006-12-20	DATE
APPROVAL	J.H.PARK	2006-12-20	DATE
RW-SNC-BSIZE-SHEET.dwg Rev. PC		279.4mm x 431.8mm METRIC	

REFERENCE DRAWING	
DWG No.	DESCRIPTION

REVISIONS			
DATE	BY	DESCRIPTION	REV
-	-	ISSUED FOR CONSTRUCTION	0
-	-	-	1
-	-	-	2
2008-10-21	C.K.KANG	As-Built	3

CANADA LINE
TRANSITBC

PROFESSIONAL SEAL

1800 - 1075 West Georgia Street
Vancouver, B. C.
Canada. V6E 3C9
SNC·LAVALIN
현대로템주식회사

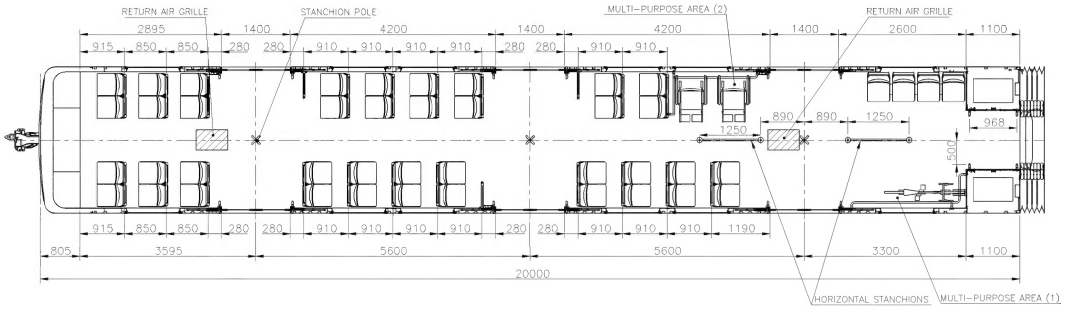
VEHICLE
GENERAL CAR CONFIGURATION
GENERAL ARRANGEMENT

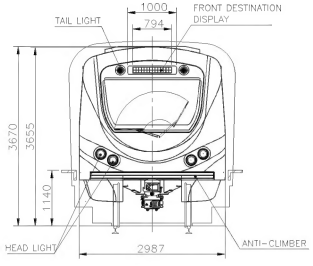
SCALE N/S	CONTRACT No.	SUB CONSULTANT PROJECT NO.	–
DATE 2006-10-21	016876-PC-4000		
DRAWING No. 016876-1010-46DD-SW-2002 / GAE00263			3

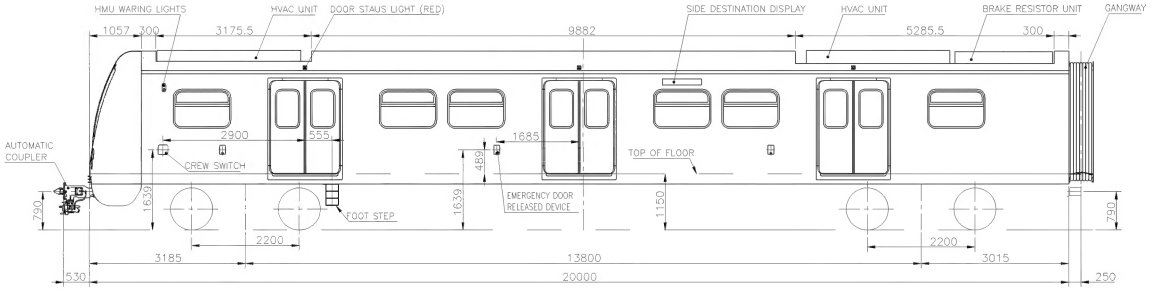
SUPERCEDES PRINTS OF THE NUMBER WITH LETTERS PREVIOUS TO —

000019

Information disclosed under the Freedom of Information and Protection of Privacy Act







	DESCRIPTIONS	QUANTITIES		
		DM1	DM2	UNIT
PASSENGER CAPACITY	SEATED	44	44	88
	STANDING(AW2)	125	125	250
	STANDING(AW2) + SEATED	169	169	338
	STANDING(AW3)	156	156	312
	STANDING(AW3) + SEATED	200	200	400

Notes
AW2 = 4 PASSENGER/M^2
AW3 = 5 PASSENGER/M^2

AS-BUILT

DATE: 2020-11-12 - 5:45pm (701352)
PATH: C:\Users\rotem\Desktop\[illegible]REV1.2\2.GENERAL CAR CONFIGURATION\651140-1010-4XDD-SW-1001.dwg
LAYOUT: Model

DESIGNED	YoungSeok Oh	2018.09.04 DATE
DRAWN	YoungSeok Oh	2018.09.04 DATE
CHECKED	YoungJeong Song	2018.09.04 DATE
APPROVAL	KyongSu Eom	2018.09.04 DATE

RAV-SNC-DSIZE-SHEET.dwg
Rev. PC 558.8mm x 836.6mm METRIC

REFERENCE DRAWING

DWG No.	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION	REV
2020-01-31	YoungSeok Oh	ISSUED FOR CONSTRUCTION	0
2020-01-31	YoungSeok Oh	As-Built	1

TRANSLINK

CANADA LINE

TRANSITBC

PROFESSIONAL SEAL

SNC·LAVALIN

PROTRANS BC OPERATIONS LTD
8651 Van Horne Way
Richmond, British Columbia
Canada, V6X 1W4
Certified ISO 9001

HYUNDAI Rotem

VEHICLE
GENERAL CAR CONFIGURATION
ARRANGEMENT, GENERAL

SCALE 1:50	CONTRACT No. 017-071/CW2230669	SUB CONSULTANT PROJECT NO.	651140-1010-4XDD-SW-1001
DATE 2020-01-31			
DRAWING No. 651140-1010-4XDD-SW-1001/RGA10100GU0			1

SUPERSEDES PRINTS OF THIS NUMBER WITH LETTERS PREVIOUS TO

000020

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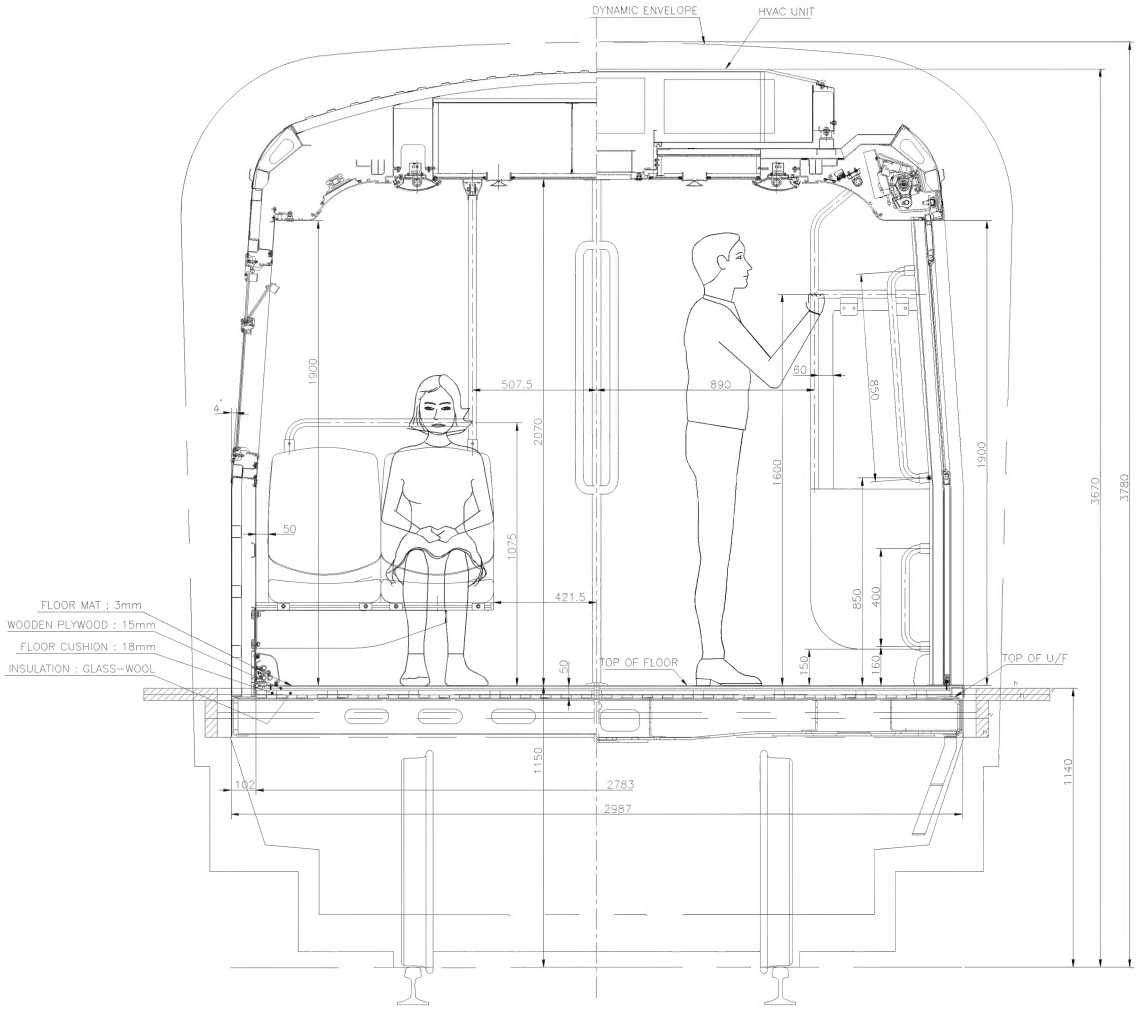

- CEILING HEIGHT : 2070mm
- DOOR ENTRANCE HEIGHT : 1900mm
- FLATFORM HEIGHT : 1140mm
- FLOOR HEIGHT : 1150mm

AS-BUILT

DESIGNED	YoungSeok Oh	2018.09.04 DATE
DRAWN	YoungSeok Oh	2018.09.04 DATE
CHECKED	YoungJeong Song	2018.09.04 DATE
APPROVAL	KyongSu Eom	2018.09.04 DATE

RAW-SNC-DSIZE-SHEET.dwg
Rev. PC 558.8mm x 836.6mm METRIC

REFERENCE DRAWING

DWG No.	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION	REV
2020-01-31	YoungSeok Oh	ISSUED FOR CONSTRUCTION	0
2020-01-31	YoungSeok Oh	As-Built	1

TRANSLINK

CANADA LINE

TRANSITBC

PROFESSIONAL SEAL

SNC·LAVALIN

PROTRANS BC OPERATIONS LTD
9851 Van Horne Way
Richmond, British Columbia
Canada, V6X 1W4

Certified ISO 9001

HYUNDAI Rotem

VEHICLE
GENERAL CAR CONFIGURATION
CAR BODY, SECTION

SCALE 1:10	CONTRACT No. 017-071/CW2230669	SUB CONSULTANT PROJECT NO.	651140-1010-4XDD-SW-1002
DATE 2020-01-31			
DRAWING No. 651140-1010-4XDD-SW-1002/RGA11100GU0			1

SUPERSEDES PRINTS OF THIS NUMBER WITH LETTERS PREVIOUS TO

DATE: 2020-11-12 - 5:46pm (701352)
PATH: C:\Users\rotem\Desktop\BLUE REV1.2\2.GENERAL CAR CONFIGURATION\651140-1010-4XDD-SW-1002.dwg
LAYOUT: Model

000021

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